Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER *634-5131*

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MAY 2, 1964

INFLUENZA

Minnesota

Outbreaks of influenza-like illness commencing in early to mid-April were reported from a number of counties in central and southern Minnesota.

An outbreak at the Faribault State School and Hospital, 40 miles south of Minneapolis, commenced about April 1 with a subsequent sporadic spread of cases throughout the institution. Some cases were reported from the immediate community. Influenza A_2 was isolated from a 17-year-old patient who demonstrated also a significant rise in complement-fixing antibodies.

An increased incidence of influenza-like disease in early and mid-April with occasional increases in school absenteeism was noted in the Minneapolis-St. Paul area. Outbreaks were also recorded in other central and southern Minnesota counties including Morrison, Mower, Ottertail, Rice, and Stearns Counties.

(Reported by D. S. Fleming, M.D., Director, Division of Disease Prevention and Control, Minnesota Department of Health).

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	18th Week Ended			Cumulative, First 18 Weeks		
	May 2, 1964	May 4, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	30	22	---	489	392	---
Brucellosis	3	7	12	133	118	190
Diphtheria	6	3	11	74	107	253
Encephalitis, primary infectious	41	37	---	581	498	---
Encephalitis, post-infectious	33		---	281		---
Hepatitis, infectious including serum hepatitis	747	804	813	16,131	17,962	17,962
Measles	25,222	17,338	19,088	253,284	229,338	243,243
Meningococcal infections	44	75	54	1,092	1,081	1,007
Poliomyelitis, Total	1	1	9	24	48	136
Paralytic	1	1	8	18	43	88
Nonparalytic	-	-	---	5	2	---
Unspecified	-	-	---	1	3	---
Streptococcal Sore Throat and Scarlet fever	9,501	7,568	---	193,201	169,872	---
Tetanus	2	11	---	65	68	---
Tularemia	2	6	---	83	70	---
Typhoid fever	7	8	11	118	124	175
Rabies in Animals	131	98	77	1,619	1,380	1,443

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis:	13
Botulism:	6	Rabies in Man:	-
Leptospirosis:	7	Smallpox:	-
Malaria:	30	Typhus-	
Plague:	-	Murine:	4
		Rky Mt. Spotted:	7

EPIDEMIOLOGICAL REPORTS

BOTULISM –New York City

Two cases of botulism related to the ingestion of Canadian commercially canned liver paste were reported in New York City in November (See MMWR, Vol. 12, Page 386). Indirect evidence suggests that these were due to Type A botulism.

The 2 cases involved a married couple who had purchased 2 cans (7 ounce size) of Paragon label liver paste in early October.

Conflicting histories were obtained by several observers as to the dates the couple ate the liver paste. There seems little doubt that it was eaten on at least 2 occasions between the earliest possible date of purchase, October 5, until the last recalled date of ingestion, October 20.

The contents of the first can were consumed by both the husband and his wife about October 5 or 6; the can was discarded on Jones Beach. No unusual odor or taste was noted.

Between one and 2 weeks later, the second can of liver paste was opened; both husband and wife consumed portions of it. The following day, the husband took the remaining portion of the liver paste to work with him for his lunch. After a few mouthfuls, however, he threw it into the garbage can because, according to one account, the product had a bad taste. Only the husband ate any liver paste that day.

A few days later, he experienced the onset of symptoms which included diplopia, dysphagia, dysarthria, generalized weakness, a dry mouth and sore throat. He did not experience gastrointestinal symptoms. He was seen on 3 different occasions by several physicians, none of whom considered the diagnosis of botulism. Because of a red throat and an "upper respiratory infection," he was given antibiotics. Two days after the onset of her husband's symptoms, his wife experienced a transient diplopia, weakness of her hands, and similar, but milder, symptoms. She continued to work.

The symptoms in the couple persisted. On November 11, the husband went to a pharmacy in New York City to obtain medication for his fatigue and weakness. The pharmacist, upon hearing the patient's complaints, suspected botulism and questioned him about eating liver paste. The pharmacist urged the husband and his wife to seek medical attention immediately. The patient called the New York City Health Department; its field epidemiologist confirmed the diagnosis clinically, and arranged for immediate hospitalization through the patient's private physician.

On admission, the husband's vital capacity was measured as 75 percent of normal. He was noted to have mild dysarthria, peripheral muscle weakness, but no sensory disturbances. He had slight diplopia on admission, which rapidly cleared. Cerebral spinal fluid examination was negative. The patient reacted markedly to a test dose of the equine bivalent botulinus antitoxin; he, therefore, was not treated with the antisera.

The wife was not hospitalized, but observed as an out-patient. She did not receive antitoxin.

Both have recovered.

On November 17, the husband was well enough to lead a team of physicians and epidemiologists to the discarded can on Jones Beach. The can was cultured by the New York City Health Department Laboratories; *Clostridium botulinum* was not recovered.

The can, however, was identified as part of a lot of liver paste processed in Canada and shipped to the United States. Because of previous associated cases of botulism in Montreal (See MMWR, Vol. 12, Page 357), this product had been withdrawn from sale subsequent to the time of purchase by the two New York victims.

Type A botulinus toxin was identified by the New York City Health Department Laboratories in another can of the same lot number.

(Reported by Dr. Harold T. Fuerst, Director, Bureau of Preventable Disease, Department of Health, New York City; Dr. Tibor Fodor, Bureau of Preventable Diseases, New York City Health Department; and Dr. Daniel Widelock, Associate Director, New York City Health Department Laboratories; Dr. Edward W. Hook, New York Hospital, Cornell Medical Center, New York City; and an EIS Officer.)

Editor's Note: In the Canadian cases, the spores and toxin of *C. botulinum* Type B were detected by Dr. Roger Reed, McGill University, in the remnants of liver paste sandwiches consumed by 2 victims, who had purchased 3 oz. size cans.

According to Dr. F. S. Thatcher, Chief, Microbiology Section of the Canadian F.D.A., *C. botulinum* Type B was identified in unsold 3 oz. size cans of the liver paste. Type A toxin was identified in unsold 7 oz. size cans.

The Montreal cases were all believed due to Type B. No cases related to Type A have been reported in Canada.

The New York City cases have been ascribed to Type A botulism on the basis of the knowledge of the presence of this toxin in the 7 oz. size cans, although Type A was not specifically identified in one of the cans allegedly consumed by the couple.

SALMONELLOSIS – Pennsylvania

Simultaneously, each of 4 members of an Allegheny County family of 5 were found to harbor different types of salmonella. A pet turtle appears to have been the source for 2 types; no source was found for the 2 other types.

On September 10, a 12-year-old boy experienced the onset of fever to 103°, chills, and mild diarrhea. He was hospitalized for 2 weeks, during which time both stool and blood cultures grew *Salmonella bredeney*. As part of a routine follow-up, the Allegheny County Health Department obtained stool cultures on the remaining members of his immediate family.

Salmonella panama was isolated from an asymptomatic 15-year-old brother; *Salmonella heidelberg* was isolated from the stool of a 7-year-old brother; and *Salmonella paratyphoid* B was isolated from their father's stool. Cultures obtained from the mother were negative for salmonella on 3 separate occasions.

The family had purchased two small pet painted turtles from a super market one week prior to the onset of symptoms in the 12-year-old. He had the duty of changing the turtle water daily, of removing the turtle, pouring out the water, refilling the tank with water, and replacing the turtle. The boy customarily ate breakfast immediately without washing his hands.

Cultures of water from the turtle's tank revealed *S. bredeney* and *S. panama*. The turtle food was negative for salmonella. No source of *S. paratyphoid* B and *S. heidelberg* could be demonstrated.

Well water, which the family used, was tested and found to be negative for salmonella. No other cases of salmonellosis were detected among individuals who also used the same well water.

It is surmised that the turtles may also have harbored *S. paratyphoid* B and *S. heidelberg*, as well as the 2 other serotypes.

One other case of *S. paratyphoid* B occurred in a 12-year-old boy from an unrelated family in Allegheny County. This boy had obtained a turtle from the same super market about 2 weeks earlier than the first family. Cultures of his turtle were negative for salmonella.

Cultures from within the super market have not been possible.

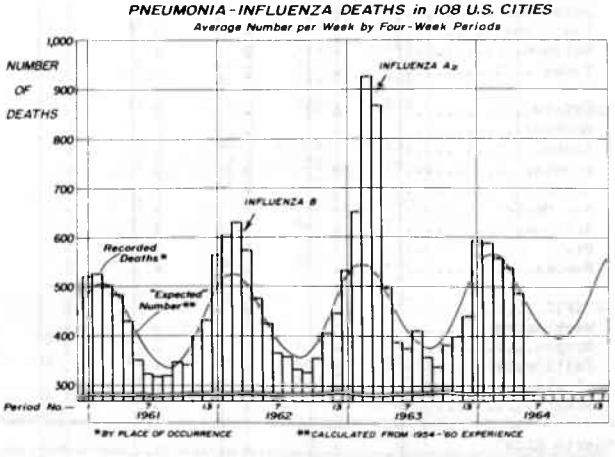
(Reported by Edwin Brown, M.D., Chief, Division of Disease Control, and Herbert R. Domke, M.D., Health Officer, Allegheny County Health Department; and, Dr. W. D. Schrack, Jr., Director, Division of Communicable Disease Control, Pennsylvania State Department of Health.)

SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending May 2 was 487 as compared with an expected weekly average of 503.

Pneumonia-Influenza Deaths in 108 Cities

	Week Ending				4 Week Total	Weekly Average
	4/11	4/18	4/25	5/2		
Observed	536	496	490	424	1,946	487
Expected	518	508	498	487	2,011	503
Excess	18	–12	– 8	–63	–65	–16



(See table, page 155)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 2, 1964 AND MAY 4, 1963 (18th WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	30	22	41	33	1	1	24	48	1	1	18	43
NEW ENGLAND.....	-	-	3	1	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	2	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1	1	6	4	-	-	4	5	-	-	4	5
New York City.....	1	-	2	-	-	-	1	-	-	-	1	-
New York, Up-State.	-	1	-	-	-	-	2	4	-	-	2	4
New Jersey.....	-	-	3	-	-	-	1	-	-	-	1	-
Pennsylvania.....	-	-	1	4	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	5	-	8	8	-	-	3	13	-	-	3	11
Ohio.....	-	-	2	-	-	-	2	4	-	-	2	3
Indiana.....	-	-	2	-	-	-	-	-	-	-	-	-
Illinois.....	1	-	1	7	-	-	1	6	-	-	1	5
Michigan.....	3	-	2	1	-	-	-	3	-	-	-	3
Wisconsin.....	1	-	1	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	-	2	6	-	-	-	-	1	-	-	-	1
Minnesota.....	-	2	5	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	1	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	2	3	13	4	-	-	11	5	-	-	8	4
Delaware.....	1	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	1	2	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	1	-	-	-	1	-
North Carolina.....	-	-	2	-	-	-	5	2	-	-	2	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	2	-	-	1	1	-	-	1	-
Florida.....	1	3	10	-	-	-	3	2	-	-	3	2
EAST SOUTH CENTRAL...	3	3	-	1	1	-	2	3	1	-	1	2
Kentucky.....	1	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	1	1	-	1	-	-	1	1	-	-	-	1
Alabama.....	-	1	-	-	1	-	1	2	1	-	1	1
Mississippi.....	1	1	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	-	4	2	1	-	-	2	10	-	-	1	10
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	1	-	-	-	-	8	-	-	-	8
Oklahoma.....	-	2	1	-	-	-	-	-	-	-	-	-
Texas.....	-	2	-	1	-	-	2	2	-	-	1	2
MOUNTAIN.....	4	-	2	-	-	-	2	1	-	-	1	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	3	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	1	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	-	-	1	-	-	-	-	-	-	-	-	-
Utah.....	-	-	1	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	15	9	1	14	-	1	-	10	-	1	-	9
Washington.....	3	3	-	-	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	2	-	-	-	1	-	-	-	1
California.....	12	6	1	12	-	1	-	8	-	1	-	7
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	2	-	-	-	2

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 2, 1964 AND MAY 4, 1963 (18th WEEK) · Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	3	133	6	74	747	350	362	35	16,131	17,962	7	118
NEW ENGLAND.....	1	2	1	6	70	29	41	-	1,710	2,097	-	7
Maine.....	-	-	1	3	20	11	9	-	597	967	-	-
New Hampshire.....	-	-	-	-	3	3	-	-	131	147	-	-
Vermont.....	-	-	-	-	7	4	3	-	212	29	-	-
Massachusetts.....	1	2	-	3	16	2	14	-	339	617	-	4
Rhode Island.....	-	-	-	-	5	2	3	-	81	49	-	3
Connecticut.....	-	-	-	-	19	7	12	-	350	288	-	-
MIDDLE ATLANTIC.....	-	2	-	4	183	82	101	-	3,693	3,459	2	20
New York City.....	-	-	-	1	28	9	19	-	537	447	-	6
New York, Up-State.	-	1	-	-	71	34	37	-	1,629	1,530	-	4
New Jersey.....	-	-	-	2	35	12	23	-	674	551	1	1
Pennsylvania.....	-	1	-	1	49	27	22	-	853	931	1	9
EAST NORTH CENTRAL...	-	17	-	6	125	72	46	7	2,437	2,835	1	26
Ohio.....	-	-	-	-	30	15	14	1	641	841	1	17
Indiana.....	-	1	-	-	15	12	3	-	215	256	-	4
Illinois.....	-	12	-	6	12	4	8	-	372	611	-	3
Michigan.....	-	2	-	-	52	33	19	-	1,034	979	-	2
Wisconsin.....	-	2	-	-	16	8	2	6	175	148	-	-
WEST NORTH CENTRAL...	-	70	4	14	38	15	16	7	938	821	-	10
Minnesota.....	-	2	4	6	6	-	5	1	79	136	-	-
Iowa.....	-	40	-	-	7	6	1	-	139	150	-	3
Missouri.....	-	4	-	-	10	2	6	2	235	327	-	3
North Dakota.....	-	2	-	-	-	-	-	-	37	21	-	-
South Dakota.....	-	11	-	1	5	2	3	-	97	34	-	1
Nebraska.....	-	10	-	-	1	-	1	-	20	61	-	-
Kansas.....	-	1	-	7	9	5	-	4	331	92	-	3
SOUTH ATLANTIC.....	1	8	1	19	69	32	36	1	1,562	1,914	1	26
Delaware.....	-	-	-	-	1	-	1	-	34	27	-	-
Maryland.....	-	-	-	-	16	6	10	-	300	213	-	1
Dist. of Columbia..	-	-	-	-	1	-	-	1	27	60	-	-
Virginia.....	-	2	-	-	7	3	4	-	229	422	-	6
West Virginia.....	-	-	-	-	7	7	-	-	272	280	-	-
North Carolina.....	-	1	-	-	20	13	7	-	300	510	-	9
South Carolina.....	-	-	-	3	2	-	2	-	56	78	-	2
Georgia.....	1	3	1	14	1	1	-	-	36	76	-	1
Florida.....	-	2	-	2	14	2	12	-	308	248	1	7
EAST SOUTH CENTRAL...	1	8	-	4	46	24	22	-	1,107	1,874	2	15
Kentucky.....	-	3	-	-	14	6	8	-	485	554	-	8
Tennessee.....	1	1	-	1	20	13	7	-	384	755	-	4
Alabama.....	-	3	-	2	7	3	4	-	149	273	1	2
Mississippi.....	-	1	-	1	5	2	3	-	89	292	1	1
WEST SOUTH CENTRAL...	-	9	-	13	43	25	18	-	1,161	1,204	-	7
Arkansas.....	-	1	-	-	2	2	-	-	129	148	-	3
Louisiana.....	-	1	-	3	8	2	6	-	236	218	-	-
Oklahoma.....	-	1	-	-	3	2	1	-	71	64	-	3
Texas.....	-	6	-	10	30	19	11	-	725	774	-	1
MOUNTAIN.....	-	10	-	1	28	3	5	20	1,049	1,231	-	1
Montana.....	-	-	-	-	3	-	1	2	102	188	-	-
Idaho.....	-	-	-	-	2	-	-	2	83	180	-	-
Wyoming.....	-	-	-	-	1	-	1	-	34	20	-	-
Colorado.....	-	-	-	-	7	1	-	6	322	253	-	-
New Mexico.....	-	1	-	1	2	1	1	-	162	154	-	-
Arizona.....	-	1	-	-	8	-	-	8	223	274	-	1
Utah.....	-	7	-	-	4	1	2	1	94	152	-	-
Nevada.....	-	1	-	-	1	-	-	1	29	10	-	-
PACIFIC.....	-	7	-	7	145	68	77	-	2,474	2,527	1	6
Washington.....	-	-	-	6	22	9	13	-	267	424	-	1
Oregon.....	-	1	-	-	23	11	12	-	282	348	-	-
California.....	-	6	-	1	98	48	50	-	1,799	1,688	1	5
Alaska.....	-	-	-	-	2	-	2	-	77	54	-	-
Hawaii.....	-	-	-	-	-	-	-	-	49	13	-	-
Puerto Rico	-	-	-	3	13	8	5	-	263	258	-	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 2, 1964 AND MAY 4, 1963 (18th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	25,222	44	1,092	1,081	9,501	7,568	2	65	2	83	131	1,619
NEW ENGLAND.....	510	-	31	71	1,047	736	-	-	-	-	3	10
Maine.....	125	-	3	11	160	14	-	-	-	-	3	8
New Hampshire.....	3	-	-	2	3	2	-	-	-	-	-	1
Vermont.....	51	-	1	2	14	1	-	-	-	-	-	1
Massachusetts.....	141	-	13	34	110	164	-	-	-	-	-	-
Rhode Island.....	103	-	2	6	39	52	-	-	-	-	-	-
Connecticut.....	87	-	12	16	721	503	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,551	4	102	146	742	499	-	3	-	-	2	32
New York City.....	609	-	19	19	40	34	-	-	-	-	-	-
New York, Up-State.	496	3	38	48	499	276	-	-	-	-	2	31
New Jersey.....	628	-	14	23	108	120	-	2	-	-	-	-
Pennsylvania.....	818	1	31	56	95	69	-	1	-	-	-	1
EAST NORTH CENTRAL...	5,190	8	172	178	1,189	965	-	4	-	8	22	196
Ohio.....	1,042	-	48	50	229	116	-	1	-	1	8	101
Indiana.....	951	2	30	22	138	132	-	-	-	-	1	9
Illinois.....	993	2	37	27	180	154	-	2	-	5	9	48
Michigan.....	1,572	3	42	57	373	329	-	1	-	1	3	15
Wisconsin.....	632	1	15	22	269	234	-	-	-	1	1	23
WEST NORTH CENTRAL...	1,621	5	66	64	272	255	-	3	-	21	44	518
Minnesota.....	3	1	13	11	28	20	-	-	-	1	15	156
Iowa.....	1,306	-	3	3	90	91	-	1	-	1	12	179
Missouri.....	56	3	36	25	12	4	-	2	-	13	7	93
North Dakota.....	222	1	5	1	104	129	-	-	-	-	2	23
South Dakota.....	-	-	-	4	11	3	-	-	-	-	4	45
Nebraska.....	34	-	4	16	1	-	-	-	-	-	1	11
Kansas.....	NN	-	5	4	26	8	-	-	-	6	3	11
SOUTH ATLANTIC.....	2,680	9	242	210	933	557	2	29	-	15	10	241
Delaware.....	26	-	3	1	15	6	-	-	-	-	-	-
Maryland.....	81	1	18	29	187	43	-	2	-	-	-	-
Dist. of Columbia..	7	-	7	4	10	-	-	-	-	-	-	-
Virginia.....	1,112	1	27	51	152	212	-	4	-	3	4	157
West Virginia.....	670	1	18	11	216	126	-	-	-	-	1	13
North Carolina.....	24	2	42	32	13	19	1	8	-	4	-	2
South Carolina.....	301	3	39	12	76	25	-	3	-	-	-	-
Georgia.....	4	-	18	11	-	2	-	1	-	8	4	39
Florida.....	455	1	70	59	264	124	1	11	-	-	1	30
EAST SOUTH CENTRAL...	3,140	4	112	88	1,314	1,211	-	9	-	16	13	246
Kentucky.....	323	2	39	20	180	157	-	1	-	1	3	35
Tennessee.....	1,479	-	38	39	1,067	1,017	-	4	-	11	10	201
Alabama.....	419	-	18	13	10	16	-	3	-	3	-	10
Mississippi.....	919	2	17	16	57	21	-	1	-	1	-	-
WEST SOUTH CENTRAL...	5,000	5	101	114	663	616	-	8	1	17	22	245
Arkansas.....	49	1	10	7	3	14	-	2	1	5	7	64
Louisiana.....	5	2	79	48	3	3	-	3	-	-	3	25
Oklahoma.....	34	-	3	22	30	25	-	-	-	11	3	32
Texas.....	4,912	2	9	37	627	574	-	3	-	1	9	124
MOUNTAIN.....	1,007	3	42	39	1,935	1,291	-	2	1	6	1	55
Montana.....	124	-	-	2	57	24	-	-	-	1	-	-
Idaho.....	54	-	1	3	84	133	-	-	-	-	-	-
Wyoming.....	10	1	3	1	2	57	-	1	-	2	-	-
Colorado.....	221	1	9	11	1,023	373	-	-	-	-	-	-
New Mexico.....	19	-	18	2	399	346	-	1	-	-	-	25
Arizona.....	430	-	3	6	136	201	-	-	-	-	1	30
Utah.....	114	1	2	11	234	156	-	-	1	3	-	-
Nevada.....	35	-	6	3	-	1	-	-	-	-	-	-
PACIFIC.....	3,523	6	224	171	1,406	1,438	-	7	-	-	14	76
Washington.....	1,308	-	18	13	500	543	-	-	-	-	-	-
Oregon.....	491	1	16	9	41	19	-	-	-	-	-	1
California.....	1,696	5	177	139	814	703	-	7	-	-	14	75
Alaska.....	5	-	6	5	19	78	-	-	-	-	-	-
Hawaii.....	23	-	7	5	32	95	-	-	-	-	-	-
Puerto Rico	210	-	14	4	9	38	-	24	-	-	-	9

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	4/11	4/18	4/25	5/2
NEW ENGLAND:				
Boston, Mass.	12	7	9	6
Bridgeport, Conn.	5	4	4	2
Cambridge, Mass.	-	-	-	1
Fall River, Mass.	1	2	-	7
Hartford, Conn.	-	1	1	2
Lowell, Mass.	-	-	1	-
Lynn, Mass.	-	-	1	3
New Bedford, Mass.	1	1	1	1
New Haven, Conn.	-	4	-	2
Providence, R.I.	3	2	2	3
Somerville, Mass.	3	1	1	1
Springfield, Mass.	-	3	7	5
Waterbury, Conn.	-	-	-	-
Worcester, Mass.	8	5	3	6
MIDDLE ATLANTIC:				
Albany, N.Y.	-	3	1	2
Allentown, Pa.	1	2	1	4
Buffalo, N.Y.	4	6	7	6
Camden, N.J.	-	3	2	4
Elizabeth, N.J.	1	1	1	1
Erie, Pa.	-	2	-	1
Jersey City, N.J.	5	3	6	1
Newark, N.J.	6	4	5	3
New York City, N.Y.	71	54	66	56
Paterson, N.J.	3	10	2	2
Philadelphia, Pa.	20	19	18	23
Pittsburgh, Pa.	4	4	5	8
Reading, Pa.	5	5	2	2
Rochester, N.Y.	12	10	13	12
Schenectady, N.Y.	2	3	1	-
Scranton, Pa.	-	1	1	1
Syracuse, N.Y.	2	1	3	1
Trenton, N.J.	4	3	1	1
Utica, N.Y.	-	1	1	2
Yonkers, N.Y.	4	2	3	-
EAST NORTH CENTRAL:				
Akron, Ohio.	1	-	1	-
Canton, Ohio.	2	4	5	4
Chicago, Ill.	39	35	46	38
Cincinnati, Ohio.	4	8	2	3
Cleveland, Ohio.	2	-	2	6
Columbus, Ohio.	4	2	2	2
Dayton, Ohio.	4	2	2	1
Detroit, Mich.	16	17	19	5
Evansville, Ind.	4	2	3	1
Flint, Mich.	2	5	5	4
Fort Wayne, Ind.	6	7	5	1
Gary, Ind.	5	2	-	1
Grand Rapids, Mich.	5	3	3	5
Indianapolis, Ind.	3	6	5	2
Madison, Wis.	-	-	-	-
Milwaukee, Wis.	3	5	2	2
Peoria, Ill.	-	-	-	-
Rockford, Ill.	2	-	1	1
South Bend, Ind.	3	3	3	3
Toledo, Ohio.	6	4	2	2
Youngstown, Ohio.	-	1	1	1
WEST NORTH CENTRAL:				
Des Moines, Iowa.	4	3	5	-
Duluth, Minn.	1	-	-	1
Kansas City, Kans.	2	3	2	-
Kansas City, Mo.	5	5	10	5
Lincoln, Nebr.	-	3	-	-
Minneapolis, Minn.	8	5	4	1
Omaha, Nebr.	4	2	4	-
St. Louis, Mo.	5	5	6	6
St. Paul, Minn.	8	6	6	3
Wichita, Kans.	9	7	5	8
SOUTH ATLANTIC:				
Atlanta, Ga.	2	5	2	4
Baltimore, Md.	10	4	7	6*
Charlotte, N.C.	2	-	1	2
Jacksonville, Fla.	2	3	2	2
Miami, Fla.	-	1	-	1
Norfolk, Va.	1	6	1	2
Richmond, Va.	-	4	3	1
Savannah, Ga.	5	5	2	4
St. Petersburg, Fla.	8	9	3	8
Tampa, Fla.	7	7	7	10
Washington, D.C.	12	9	9	2
Wilmington, Del.	3	3	5	1
EAST SOUTH CENTRAL:				
Birmingham, Ala.	2	4	1	3
Chattanooga, Tenn.	4	2	1	2
Knoxville, Tenn.	4	1	2	2
Louisville, Ky.	13	7	8	14
Memphis, Tenn.	7	7	5	10
Mobile, Ala.	-	-	1	1
Montgomery, Ala.	5	3	4	2
Nashville, Tenn.	3	10	3	7
WEST SOUTH CENTRAL:				
Austin, Tex.	4	2	8	4
Baton Rouge, La.	1	1	1	1
Corpus Christi, Tex.	-	-	-	-
Dallas, Tex.	5	7	4	1
El Paso, Tex.	4	3	-	1
Fort Worth, Tex.	4	4	1	-
Houston, Tex.	3	1	11	6
Little Rock, Ark.	4	5	3	5
New Orleans, La.	8	5	3	6
Oklahoma City, Okla.	3	4	2	2
San Antonio, Tex.	6	3	3	3
Shreveport, La.	2	4	9	4
Tulsa, Okla.	5	2	1	2
MOUNTAIN:				
Albuquerque, N. Mex.	3	4	1	1
Colorado Springs, Colo.	4	2	2	2
Denver, Colo.	10	7	5	3
Ogden, Utah.	2	-	-	4
Phoenix, Ariz.	3	1	4	4
Pueblo, Colo.	3	2	1	2
Salt Lake City, Utah.	2	1	1	-
Tucson, Ariz.	2	1	3	1
PACIFIC:				
Berkeley, Calif.	-	-	-	-
Fresno, Calif.	1	3	3	-
Glendale, Calif.	-	1	-	-
Honolulu, Hawaii.	1	6	1	1
Long Beach, Calif.	4	4	1	3
Los Angeles, Calif.	30	25	29	16
Oakland, Calif.	6	4	3	3
Pasadena, Calif.	-	-	1	-
Portland, Oreg.	-	1	4	2
Sacramento, Calif.	3	2	4	2
San Diego, Calif.	4	7	2	1
San Francisco, Calif.	8	13	3	1
San Jose, Calif.	8	14	10	6
Seattle, Wash.	4	7	2	4
Spokane, Wash.	2	-	2	1
Tacoma, Wash.	1	2	1	2
San Juan, P.R.	2	-	2	(---)

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	11,460
4(B) Pneumonia-Influenza Deaths, all ages	424
4(C) Total Deaths under 1 Year of Age	741
4(D) Total Deaths, Persons 65 years and over	6,316

INTERNATIONAL NOTES – QUARANTINE MEASURES

Immunization Information for International Travel
1963-64 edition – Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

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City:	Boston, Massachusetts
Center:	The Logan International Airport Medical Station of the Massachusetts General Hospital Logan International Airport Gate 23 Tel. LA 3-8200 x 2641 and 2642
Clinic Hours:	Tuesday & Saturday, 11:a.m. – 12:00 a.m.
Fee:	Yes

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor
Morbidity and Mortality Weekly Report
Communicable Disease Center
Atlanta, Georgia 30333

***Notes:** These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.*
Symbols: --- Data not available
Quantity zero
***Procedures** for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta, Georgia 30333.*

The Morbidity and Mortality Weekly Report, with a circulation of 11,000 is published by the Communicable Disease Center, Atlanta, Georgia.

Chief, Communicable Disease Center	*James L. Goddard, M.D.*
Chief, Epidemiology Branch	*A. D. Langmuir, M.D.*
Chief, Statistics Section	*R. E. Serfling, Ph.D.*
Asst. Chief, Statistics Section	*I. L. Sherman, M.S.*
Chief, Surveillance Section	*D. A. Henderson, M.D.*
Editor, MMWR	*L. K. Altman, M.D.*